

## APPENDIX G— Land-Use Change and Forestry

### Data from State Inventory Tool

#### **INPUT:**

*Table G-1*

#### *Liming of Agricultural Soils*

Year	Total Limestone Applied to Soil	Total Dolomite Applied to Soil
	(1000 Metric Tons)	(1000 Metric Tons)
1990	567.99	72.39
1991	567.99	72.39
1992	480.63	60.47
1993	480.63	60.47
1994	415.73	63.59
1995	485.30	89.18
1996	472.52	70.23
1997	532.64	104.59
1998	391.84	192.35
1999	382.69	83.07
2000	332.12	98.44

*Table G-2*

#### *Landfilled Yard Trimmings*

Year	Yard Trimmings Discarded	Discards Landfilled
	(Short Wet Tons)	(Percent)
1990	1,050,631	96%
1991	521,536	80%
1992	474,892	72%
1993	641,431	74%
1994	596,223	69%
1995	531,933	69%
1996	455,366	56%
1997	271,103	61%
1998	380,337	61%
1999	234,866	61%
2000	191,381	60%

*Table G-3 Emission Factors for*

#### *Liming of Agricultural Soils*

Value	Units
0.12	metric ton C/metric ton limestone
0.13	metric ton C/metric ton dolomite

*Table G-4 Emission Factor for Carbon*

#### *Storage in Landfilled Yard Trimmings*

Value	Units
0.2082	MTCE/short wet ton of yard trimmings

*Table G-5 Forest Carbon Flux (million metric tons carbon)*

Accounting component	1987	1992	1997	Average Annual Change		
				1987-1992	1992-1997	1987-1997
Biomass	302.2	321.7	341.2	3.90	3.90	3.90
Forest floor and coarse woody debris	130.7	129.8	128.6	-0.19	-0.24	-0.21
Soils	794.4	799.1	803.7	0.93	0.92	0.93
Wood products and landfills	51.5	59.1	66.3	1.53	1.44	1.48

## OUTPUT:

*Table G-6 Emissions (MMTCO2E)*

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Liming of Agricultural Soils</b>	0.28	0.28	0.24	0.24	0.21	0.26	0.24	0.28	0.26	0.21	0.19
Limestone	0.25	0.25	0.21	0.21	0.18	0.21	0.21	0.23	0.17	0.17	0.15
Dolomite	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.05	0.09	0.04	0.05
<b>Landfilled Yard Trimmings</b>	-0.77	-0.32	-0.26	-0.36	-0.31	-0.28	-0.19	-0.13	-0.18	-0.11	-0.09
<b>Forest Carbon Flux</b>	-22.64	-22.64	-22.64	-22.07	-22.07	-22.07	-22.07	-22.07	-22.07	-22.07	-22.07
Biomass	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30	-14.30
Forest floor and coarse woody debris	0.69	0.69	0.69	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
Soils	-3.41	-3.41	-3.41	-3.39	-3.39	-3.39	-3.39	-3.39	-3.39	-3.39	-3.39
Wood products and landfills	-5.62	-5.62	-5.62	-5.26	-5.26	-5.26	-5.26	-5.26	-5.26	-5.26	-5.26
<b>Total</b>	-23.13	-22.68	-22.66	-22.19	-22.17	-22.09	-22.02	-21.91	-21.98	-21.97	-21.96



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